

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



10/539782



(43) International Publication Date  
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number  
WO 2004/059181 A2

(51) International Patent Classification<sup>7</sup>:

F16C

(21) International Application Number:

PCT/US2003/040940

(22) International Filing Date:

18 December 2003 (18.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/435,978 20 December 2002 (20.12.2002) US

(71) Applicant (for all designated States except US): FAG  
KUGELFISCHER AG [DE/DE]; Postfach 1260, 97419  
Schweinfurt (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KELLAM, David  
[CA/CA]; 122 Elizabeth Street, Stratford, Ontario N5A  
4Z3 (CA). TENG, Alex [CA/CA]; 831 Capulet Lane,  
London, Ontario N6H 5V2 (CA). CLAASSEN, Michael  
[CA/US]; 75365 Peters Drive, Romeo, MI 48065 (US).

(74) Agents: FINDER, James, A. et al.; Ostrolenk, Faber,  
Gerb & Soffen, LLP, 1180 Avenue of the Americas, New  
York, NY 10036 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

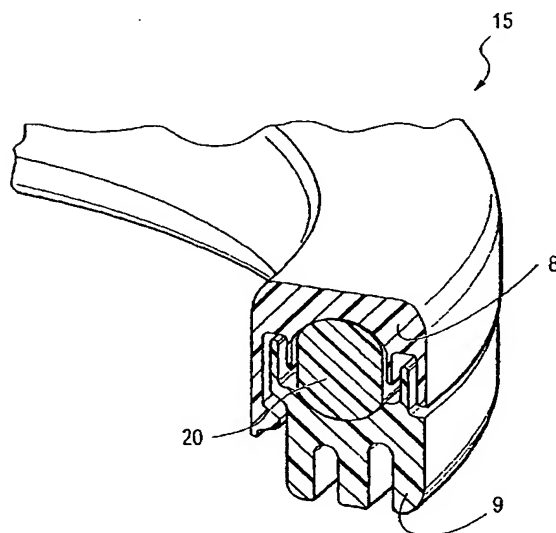
(84) Designated States (*regional*): ARIPO patent (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished  
upon receipt of that report

[Continued on next page]

(54) Title: PLASTIC RING BEARING, PARTICULARLY FOR USE IN MACPHERSON STRUT



(57) Abstract: A MacPherson strut tube having an upper spring seat, a spring, a strut tube, and a ring bearing disposed for engaging the spring seat, the spring and the strut tube. The ring bearing comprises an upper casing, a lower casing, and a plastic ring engaged between the upper and lower casings, thereby forming said ring bearing.

WO 2004/059181 A2